

ABSTRACT

Process for the production of ZnCl_2 from a Zn bearing primary and/or secondary material comprising the steps of reacting the Zn bearing material with a chlorinating agent such as Cl_2 to convert metals into chlorides and vaporising the volatile components of the reaction product at a temperature between the melting point of said reaction product and the boiling point of ZnCl_2 , thereby recovering a Zn rich chlorinated melt, and thereafter distilling ZnCl_2 from this Zn rich chlorinated melt, thereby recovering purified ZnCl_2 and a Zn-depleted chlorinated melt.